

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/582,176
Source: FWP
Date Processed by STIC: 6/19/06

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IFWP

RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,176

TIME: 11:41:44

Input Set : A:\14875-163US1.txt

Output Set: N:\CRF4\06192006\J582176.raw

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3 <110> APPLICANT: Nakano, Kiyotaka
4     Nezu, Junichi
5     Yoshino, Takeshi
6     Saito, Mikiyoshi
7     Orita, Tetsuro
10 <120> TITLE OF INVENTION: METHODS OF SCREENING FOR MODIFIED ANTIBODIES WITH AGONISTIC
11     ACTIVITIES
13 <130> FILE REFERENCE: 14875-163US1
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/582,176
C--> 15 <141> CURRENT FILING DATE: 2006-06-09
15 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/18499
16 <151> PRIOR FILING DATE: 2004-12-10
18 <150> PRIOR APPLICATION NUMBER: JP 2003-415733
19 <151> PRIOR FILING DATE: 2003-12-12
21 <160> NUMBER OF SEQ ID NOS: 15
23 <170> SOFTWARE: PatentIn version 3.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 21
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial
30 <220> FEATURE:
31 <223> OTHER INFORMATION: an artificially synthesized sequence
33 <400> SEQUENCE: 1
34 gggccagtgg atagacagat g                                21
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 23
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial
41 <220> FEATURE:
42 <223> OTHER INFORMATION: an artificially synthesized sequence
44 <400> SEQUENCE: 2
45 gctcactgga tggagggaag atg                                23
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 411
49 <212> TYPE: DNA
50 <213> ORGANISM: Mus musculus
52 <220> FEATURE:
53 <221> NAME/KEY: CDS
54 <222> LOCATION: (1)..(411)
55 <223> OTHER INFORMATION:
W--> 57 <400> 3
58 atg gaa tgg cct ttg atc ttt ctc ttc ctc ctg tca gga act gca ggt    48
59 Met Glu Trp Pro Leu Ile Phe Leu Phe Leu Leu Ser Gly Thr Ala Gly

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60 1          5          10          15
62 gtc cac tcc cag gtt cag ctg cag cag tct gga cct gag ttg gtg aag      96
63 Val His Ser Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys
64          20          25          30
66 cct ggg gcc tca gtg aag att tcc tgc aag gct tct ggc tat gca ttc      144
67 Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe
68          35          40          45
70 agt agt tcc tgg atg aac tgg gtg aag cag agg cct gga aag ggt ctt      192
71 Ser Ser Ser Trp Met Asn Trp Val Lys Gln Arg Pro Gly Lys Gly Leu
72          50          55          60
74 gag tgg att gga cgg att tat cct gga gat gga gat act aac tac aat      240
75 Glu Trp Ile Gly Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn
76 65          70          75          80
78 ggg aag ttc aag ggc aag gcc aca ctg act gca gac aaa tcc tcc agc      288
79 Gly Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser
80          85          90          95
82 acg gcc tac ata caa ctc agc agc cta aca tct gag gac tct gcg gtc      336
83 Thr Ala Tyr Ile Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val
84          100          105          110
86 tac ttc tgt gca aga ggg tat gct gac tac tcc ttt gct tac tgg ggc      384
87 Tyr Phe Cys Ala Arg Gly Tyr Ala Asp Tyr Ser Phe Ala Tyr Trp Gly
88          115          120          125
90 caa ggg act ctg gtc act gtc tct gca      411
91 Gln Gly Thr Leu Val Thr Val Ser Ala
92          130          135
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 137
96 <212> TYPE: PRT
97 <213> ORGANISM: Mus musculus
99 <400> SEQUENCE: 4
100 Met Glu Trp Pro Leu Ile Phe Leu Phe Leu Leu Ser Gly Thr Ala Gly
101 1          5          10          15
103 Val His Ser Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys
104          20          25          30
106 Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe
107          35          40          45
109 Ser Ser Ser Trp Met Asn Trp Val Lys Gln Arg Pro Gly Lys Gly Leu
110          50          55          60
112 Glu Trp Ile Gly Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn
113 65          70          75          80
115 Gly Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser
116          85          90          95
118 Thr Ala Tyr Ile Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val
119          100          105          110
121 Tyr Phe Cys Ala Arg Gly Tyr Ala Asp Tyr Ser Phe Ala Tyr Trp Gly
122          115          120          125
124 Gln Gly Thr Leu Val Thr Val Ser Ala
125          130          135
127 <210> SEQ ID NO: 5

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128 <211> LENGTH: 396

129 <212> TYPE: DNA

130 <213> ORGANISM: Mus musculus

132 <220> FEATURE:

133 <221> NAME/KEY: CDS

134 <222> LOCATION: (1)..(396)

135 <223> OTHER INFORMATION:

W--> 137 <400> 5

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138 atg agg tgc cta gct gag ttc ctg ggg ctg ctt gtg ctc tgg atc cct      48
139 Met Arg Cys Leu Ala Glu Phe Leu Gly Leu Leu Val Leu Trp Ile Pro
140 1          5          10          15
142 gga gcc att ggg gat att gtg atg act cag gct gca ccc tct gta cct      96
143 Gly Ala Ile Gly Asp Ile Val Met Thr Gln Ala Ala Pro Ser Val Pro
144          20          25          30
146 gtc act cct gga gag tca gta tcc atc tcc tgc agg tct agt aag agt     144
147 Val Thr Pro Gly Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Lys Ser
148          35          40          45
150 ctc ctg cat agt aat ggc aac act tac ttg tat tgg ttc ctg cag agg     192
151 Leu Leu His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp Phe Leu Gln Arg
152          50          55          60
154 cca ggc cag tct cct cag ctc ctg ata tat cgg atg tcc aac ctt gcc     240
155 Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Arg Met Ser Asn Leu Ala
156 65          70          75          80
158 tca gga gtc cca gac agg ttc agt ggc agt ggg tca gga act gct ttc     288
159 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Ala Phe
160          85          90          95
162 aca ctg aga atc agt aga gtg gag gct gag gat gtg ggt gtt tat tac     336
163 Thr Leu Arg Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
164          100          105          110
166 tgt atg caa cat cta gaa tat ccg tat acg ttc gga tcg ggg acc aag     384
167 Cys Met Gln His Leu Glu Tyr Pro Tyr Thr Phe Gly Ser Gly Thr Lys
168          115          120          125
170 ctg gaa ata aaa      396
171 Leu Glu Ile Lys
172          130

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174 <210> SEQ ID NO: 6

175 <211> LENGTH: 132

176 <212> TYPE: PRT

177 <213> ORGANISM: Mus musculus

179 <400> SEQUENCE: 6

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180 Met Arg Cys Leu Ala Glu Phe Leu Gly Leu Leu Val Leu Trp Ile Pro
181 1          5          10          15
183 Gly Ala Ile Gly Asp Ile Val Met Thr Gln Ala Ala Pro Ser Val Pro
184          20          25          30
186 Val Thr Pro Gly Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Lys Ser
187          35          40          45
189 Leu Leu His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp Phe Leu Gln Arg
190          50          55          60
192 Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Arg Met Ser Asn Leu Ala

```

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193 65              70              75              80
195 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Ala Phe
196              85              90              95
198 Thr Leu Arg Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
199              100              105              110
201 Cys Met Gln His Leu Glu Tyr Pro Tyr Thr Phe Gly Ser Gly Thr Lys
202              115              120              125
204 Leu Glu Ile Lys
205              130
207 <210> SEQ ID NO: 7
208 <211> LENGTH: 30
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial
212 <220> FEATURE:
213 <223> OTHER INFORMATION: an artificially synthesized primer sequence
215 <400> SEQUENCE: 7
216 tagaattcca ccatggaatg gcctttgatc 30
218 <210> SEQ ID NO: 8
219 <211> LENGTH: 56
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial
223 <220> FEATURE:
224 <223> OTHER INFORMATION: an artificially synthesized primer sequence
226 <400> SEQUENCE: 8
227 agcctgagtc atcacaatat ccgatccgcc tccacctgca gagacagtga ccagag 56
229 <210> SEQ ID NO: 9
230 <211> LENGTH: 56
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial
234 <220> FEATURE:
235 <223> OTHER INFORMATION: an artificially synthesized primer sequence
237 <400> SEQUENCE: 9
238 actctggtca ctgtctctgc aggtggaggc ggatcggata ttgtgatgac tcaggc 56
240 <210> SEQ ID NO: 10
241 <211> LENGTH: 60
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial
245 <220> FEATURE:
246 <223> OTHER INFORMATION: an artificially synthesized primer sequence
248 <400> SEQUENCE: 10
249 attgcggcgg cttatcactt atcgtcgtca tccttgtagt cttttatttc cagcttggtc 60
251 <210> SEQ ID NO: 11
252 <211> LENGTH: 8
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial
256 <220> FEATURE:
257 <223> OTHER INFORMATION: an artificially synthesized FLAG tag sequence
259 <400> SEQUENCE: 11
260 Asp Tyr Lys Asp Asp Asp Asp Lys

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Input Set : A:\14875-163US1.txt

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261 1          5
263 <210> SEQ ID NO: 12
264 <211> LENGTH: 82
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial
268 <220> FEATURE:
269 <223> OTHER INFORMATION: an artificially synthesized primer sequence
271 <400> SEQUENCE: 12
272 tgagtcacatca caatatccga tccgccacca cccgaaccac caccacccga accaccacca 60
274 cctgcagaga cagtgaccag ag 82
276 <210> SEQ ID NO: 13
277 <211> LENGTH: 82
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial
281 <220> FEATURE:
282 <223> OTHER INFORMATION: an artificially synthesized primer sequence
284 <400> SEQUENCE: 13
285 tggctcactgt ctctgcaggt ggtggtggtt cgggtggttg tggttcgggt ggtggcggat 60
287 cggatattgt gatgactcag gc 82
289 <210> SEQ ID NO: 14
290 <211> LENGTH: 25
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial
294 <220> FEATURE:
295 <223> OTHER INFORMATION: an artificially synthesized primer sequence
297 <400> SEQUENCE: 14
298 caggttcagc tgcagcagtc tggac 25
300 <210> SEQ ID NO: 15
301 <211> LENGTH: 81
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial
305 <220> FEATURE:
306 <223> OTHER INFORMATION: an artificially synthesized primer sequence
308 <400> SEQUENCE: 15
309 gctgcagctg aacctgcgat ccaccgcctc ccgaaccacc accacccgat ccaccacctc 60
311 cttttatttc cagcttggtc c 81

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/582,176

DATE: 06/19/2006
TIME: 11:41:45

Input Set : A:\14875-163US1.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,7,8,9,10,11,12,13,14,15

VERIFICATION SUMMARY

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,176

TIME: 11:41:45

Input Set : A:\14875-163US1.txt

Output Set: N:\CRF4\06192006\J582176.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:57 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:55

L:137 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:135